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JAPANESE PATENT OFFICE

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(71)Applicant:

BRIDGESTONE CORP

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(72)Inventor:

SAWA EIJI  
SAITO MIHO  
UTSUNOMIYA TADASHI  
ISHII NOBORU

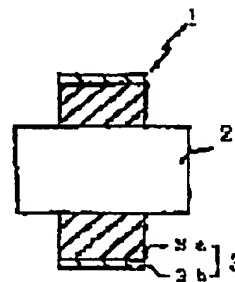
(54) PAPER FEEDING ROLLER, MANUFACTURE OF PAPER FEEDING ROLLER AND PAPER FEEDER

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(57)Abstract:

**PURPOSE:** To provide a paper feeding roller by which a high friction coefficient can be maintained even in long-term use and which is excellent in abrasion resistance and a paper feeding characteristic by forming a base material of the outermost layer out of a rubber composition among an elastic layer of at least two or more layers, and constituting a base material of at least a single layer of an inside layer out of urethane foam.

**CONSTITUTION:** A paper feeding roller 1 has a shaft 2 of core metal of a solid body or an inside hollow metallic cylinder body. An elastic layer 3 is constituted of an inside layer 3a composed of urethane foam and the outermost layer 3b composed of a rubber composition.



The paper feeding roller 1 may be constituted by installing the elastic layer independently or in a plurality on a single shaft. As urethane foam used as a base material of the inside layer 3a among the elastic layer 3, polyole used to manufacture general soft urethane foam can be used as a polyhydroxyl compound. Since a rubber composition used as the base material of the inside layer 3a is not particularly limited, a general rubber composition can be used.

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